

DECLARATION

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or the below named inventors are the original, first and joint inventors (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled **METHOD AND APPARATUS FOR PROBABILISTICALLY CLASSIFYING TISSUE IN VITRO AND IN VIVO USING FLUORESCENCE SPECTROSCOPY**, the Specification of which:

- ☐ is attached hereto.
☒ was filed on **October 20, 1999** as Application Serial No. **09/421,965**.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose to the Patent and Trademark Office all information known to me to be material to patentability of the subject matter claimed in this application, as "materiality" is defined in Title 37, Code of Federal Regulations, § 1.56.

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(Application Serial No.)	(Filing Date)	(Status)
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(Application Serial No.)	(Filing Date)	(Status)
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I hereby direct that all correspondence and telephone calls be addressed to Michael C. Barrett, Arnold White & Durkee, 750 Bering Drive, Houston, Texas 77057-2198, (512) 418-3000.

I HEREBY DECLARE THAT ALL STATEMENTS MADE OF MY OWN KNOWLEDGE ARE TRUE AND THAT ALL STATEMENTS MADE ON INFORMATION AND BELIEF ARE BELIEVED TO BE TRUE; AND FURTHER THAT THESE STATEMENTS WERE MADE WITH THE KNOWLEDGE THAT WILLFUL FALSE STATEMENTS AND THE LIKE SO MADE ARE PUNISHABLE BY FINE OR IMPRISONMENT, OR BOTH, UNDER SECTION 1001 OF TITLE 18 OF THE UNITED STATES CODE AND THAT SUCH WILLFUL FALSE STATEMENTS MAY JEOPARDIZE THE VALIDITY OF THE APPLICATION OR ANY PATENT ISSUED THEREON.

Inventor's Full Name:	Rebecca		Richards-Kortum
Inventor's Signature:	<i>Rebecca Richards-Kortum</i>		
Country of Citizenship:	USA	Date:	1-12-00
Residence Address: (street, number, city, state, and/or country)	6410 Walebridge Lane Austin, TX 78712		
Post Office Address: (if different from above)			

Inventor's Full Name:	Nirmala		Ramanujam
Inventor's Signature:			
Country of Citizenship:	Malaysia	Date:	
Residence Address: (street, number, city, state, and/or country)	224 W. Rittenhouse Sq., #2302 Philadelphia, PA 19103		
Post Office Address: (if different from above)			

Inventor's Full Name:	Anita		Mahadevan-Jansen
Inventor's Signature:			
Country of Citizenship:	India	Date:	
Residence Address: (street, number, city, state, and/or country)	7517 Hallows Drive Nashville, TN 37221		
Post Office Address: (if different from above)			

Inventor's Full Name:	Michele	Follen	Mitchell
Inventor's Signature:			
Country of Citizenship:	USA	Date:	
Residence Address: (street, number, city, state, and/or country)	907 Kirby Houston, TX 77017		
Post Office Address: (if different from above)			

Inventor's Full Name:	Urs		Utzingen
Inventor's Signature:			
Country of Citizenship:	Switzerland	Date:	
Residence Address: (street, number, city, state, and/or country)	3410A South Oak Drive Austin, TX 78704		
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Inventor's Signature:			
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Residence Address: (street, number, city, state, and/or country)	6410 Walebridge Lane Austin, TX 78712		
Post Office Address: (if different from above)			

Inventor's Full Name:	Nirmala		Ramanujam
Inventor's Signature:	<i>Nirmala Ramanujam</i>		
Country of Citizenship:	Malaysia	Date:	1/10/02
Residence Address: (street, number, city, state, and/or country)	224 W. Rittenhouse Sq., #2302 Philadelphia, PA 19103		
Post Office Address: (if different from above)			

Inventor's Full Name:	Anita		Mahadevan-Jansen
Inventor's Signature:			
Country of Citizenship:	India	Date:	
Residence Address: (street, number, city, state, and/or country)	7517 Hallows Drive Nashville, TN 37221		
Post Office Address: (if different from above)			

Inventor's Full Name:	Michele	Follen	Mitchell
Inventor's Signature:			
Country of Citizenship:	USA	Date:	
Residence Address: (street, number, city, state, and/or country)	907 Kirby Houston, TX 77017		
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Inventor's Full Name:	Urs		Utzinger
Inventor's Signature:			
Country of Citizenship:	Switzerland	Date:	
Residence Address: (street, number, city, state, and/or country)	3410A South Oak Drive Austin, TX 78704		
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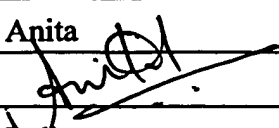
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Inventor's Full Name:	Anita		Mahadevan-Jansen
Inventor's Signature:			
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mk

Inventor's Full Name:	Michele	Follen	Mitchell Follen
Inventor's Signature:	<i>Michele Follen MD</i>		
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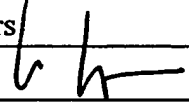
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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Rebecca Richards-Kortum et al.

Serial No.: 09/421,965

Filed: 10/20/99

For: METHOD AND APPARATUS FOR
PROBABILISTICALLY CLASSIFYING
TISSUE IN VITRO AND IN VIVO USING
FLUORESCENCE SPECTROSCOPY

Group Art Unit: 1642

Examiner: Unknown

Atty. Dkt. No.: TUUT:010/BAM

ELECTION UNDER 37 C.F.R. §§ 3.71 AND 3.73
AND POWER OF ATTORNEY

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

The undersigned, being Assignee of record of the entire interest in the above-identified application by virtue of an assignment recorded in the United States Patent and Trademark Office as set forth below, hereby elects, under 37 C.F.R. § 3.71, to prosecute the application to the exclusion of the inventors.

The Assignee hereby revokes any previous Powers of Attorney and appoints:

Louis T. Pirkey, Reg. No. 22,393; Richard J. Groos, Reg. No. 32,231; David L. Parker, Reg. No. 32,165; William G. Barber, Reg. No. 33,154; David D. Bahler, Reg. No. 30,932; Michael S. Metteauer, Reg. No. 34,875; Mark B. Wilson, Reg. No. 37,259; Steven L. Highlander, Reg. No. 37,642; Mark A. Thurmon, Reg. No. 39,858; Teresa J. Bowles, Reg. No. 40,526; Stephen P. Meleen, Reg. No. 40,724; Nicole Stafford, Reg. No. 43,929; Richard A. Nakashima, Reg. No. 42,023; Robert Hanson, Reg. No. 42,628; Gina N. Shishima, Reg. No. 45,104; Michael C. Barrett, Reg. No. 44,523; Mark T. Garrett, Reg. No. 44,699; Jonathan D. Hurt, Reg. No. 44,790; Stephen M. Hash, P-45,490; Debra L. Dennett, P-46,370; Karl Normington, P-45,586; Michael O. Scheinberg, Reg. No. 36,919; J. Scott Denko, Reg. No. 37,606; Erik R. Nordstrom, Reg. No. 39,792; Patrick Stellitano, Reg. No. 42,169

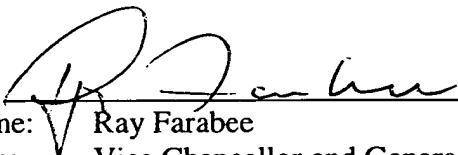
each an attorney or agent of the firm of FULBRIGHT & JAWORSKI, L.L.P., as its attorney or agent for so long as they remain with such firm, with full power of substitution and revocation, to prosecute the application, to make alterations and amendments therein, to transact all business in the Patent and Trademark Office in connection therewith, and to receive any Letters Patent, and for one year after issuance of such Letters Patent to file any request for a certificate of correction that may be deemed appropriate.

Pursuant to 37 C.F.R. § 3.73, the undersigned has reviewed the evidentiary documents, specifically the Assignment to Board of Regents, The University of Texas System, referenced below, and certifies that to the best of my knowledge and belief, title remains in the name of the Assignee.

Please direct all communications as follows:

Michael C. Barrett
FULBRIGHT & JAWORSKI, L.L.P.
600 Congress Avenue, Suite 2400
Austin, Texas 78701
(512) 418-3000

ASSIGNEE:
BOARD OF REGENTS, THE UNIVERSITY
OF TEXAS SYSTEM

By: 
Name: Ray Farabee
Title: Vice Chancellor and General
Counsel

Date: March 10, 2000

ASSIGNMENT:

- ☒ Concurrently filed
☐ Previously recorded

Date:

Reel:

Frames:



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

JANUARY 19, 2001

PTAS

FULBRIGHT & JAWORSKI LLP
MICHAEL C. BARRETT
600 CONGRESS AVENUE
SUITE 2400
AUSTIN, TEXAS 78701



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CORRECTED NOTICE

UNITED STATES PATENT AND TRADEMARK OFFICE NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 07/21/2000

REEL/FRAME: 010992/0283
NUMBER OF PAGES: 21

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

RICHARDS-KORTUM, REBECCA

DOC DATE: 01/12/2000

ASSIGNOR:

RAMANUJAM, NIRMALA

DOC DATE: 01/10/2000

ASSIGNOR:

MAHADEVAN-JANSEN, ANITA

DOC DATE: 03/06/2000

ASSIGNOR:

FOLLEN, MICHELE

DOC DATE: 01/05/2000

ASSIGNOR:

UTZINGER, URS

DOC DATE: 01/04/2000

ASSIGNEE:

BOARD OF REGENTS, THE UNIVERSITY
OF TEXAS SYSTEM
201 WEST 7TH STREET
AUSTIN, TEXAS 78701

RECEIVED
Assigned
details noted
FEB 07 2001
THUT:010
AYK/BAM
LM

010992/0283 PAGE 2

SERIAL NUMBER: 09421965
PATENT NUMBER:

FILING DATE: 10/20/1999
ISSUE DATE:

PEARLENE FOSTER, PARALEGAL
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

01-19-2001

COPY

FORM PTO-1595
(Rev. 6-93)

OMB No. 0651-0011 (exp. 4/94)



U.S. Department of Commerce

Patent and Trademark Office

101568900

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original document or copy thereof.

<p>1. Name of conveying party(ies): Rebecca Richards-Kortum, Nirmala Ramanujam, Anita Mahadevan-Jansen, Michele Follen, Urs Utzinger</p> <p>Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other</p> <p>Execution Date: 1/12/00, 1/10/00, 3/6/00, 1/5/00, 1/4/00</p>	<p>2. Name and address of receiving party(ies): Name: Board of Regents, The University of Texas System</p> <p>Internal Address:</p> <p>Street Address: 201 West 7th Street</p> <p>City: Austin State: TX Zip: 78701</p> <p>Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>
<p>4. Application number(s) or registration number(s):</p> <p>If this document is being filed together with a new application, the execution date of the application is:</p> <p>A. Patent Application No.(s): 09/421,965</p> <p>B. Patent No.(s):</p> <p>Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>5. Name and address of party to whom correspondence concerning document should be mailed:</p> <p>Name: Michael C. Barrett FULBRIGHT & JAWORSKI L.L.P. 600 Congress Avenue, Suite 2400</p> <p>City: Austin State: Texas Zip: 78701</p>	<p>6. Total number of applications and patents involved: <u>1</u></p> <p>7. Total fee (37 C.F.R. 3.41) ————— \$ <u>40.00</u> <input checked="" type="checkbox"/> Enclosed <input checked="" type="checkbox"/> Authorized to be charged to deposit account if check insufficient or inadvertently omitted</p> <p>8. Deposit account number: <u>50-1212/10010837/MCB</u> (Attach duplicate copy of this page if paying by deposit account)</p>

DO NOT USE THIS SPACE

9. Statement and signature.
To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michael C. Barrett Michael C. Barrett 7-21-00

Name of Person Signing, Reg. No. 44,523 Signature Date

Total number of pages including cover sheet, attachments and documents: 21

Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents and Trademarks

Box Assignment

Washington, D.C. 20231

08/16/2000 NTHA11 00000041 09421965

01 FC:581

40.00 CP

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Box Assignments, Commissioner of Patents and Trademarks, Washington, DC 20231, on the date below:

7-21-00
DateMichael C. Barrett
Michael C. Barrett

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:
Rebecca Richards-Kortum *et al.*

Serial No.: 09/421,965

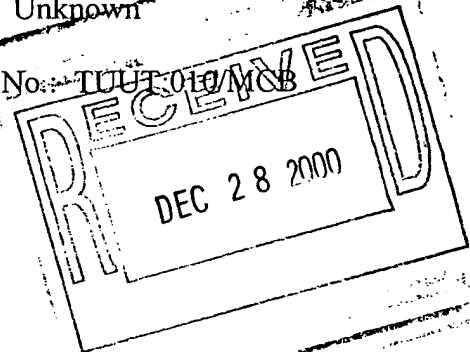
Filed: October 20, 1999

For: METHOD AND APPARATUS FOR
PROBABILISTICALLY CLASSIFYING
TISSUE IN VITRO AND IN VIVO USING
FLUORESCENCE SPECTROSCOPY

Group Art Unit: 1642

Examiner: Unknown

Atty. Dkt. No.: TTUT-019/MCB



**REQUEST FOR CORRECTED NOTICE OF RECORDATION
OF ASSIGNMENT DOCUMENT**

CERTIFICATE OF MAILING
37 C.F.R. 1.8

I hereby certify that this correspondence is being deposited with the U.S. Postal Service with sufficient postage as First Class Mail in an envelope addressed to: Box Assignment, Commissioner for Patents, Washington, DC 20231, on the date below:

12/20/2000
Date

Michael C. Barrett
Michael C. Barrett

Commissioner for Patents
Box Assignments, CG-4
1213 Jefferson Davis Highway, Suite 320
Washington, D.C. 20231

Sir:

A corrected Notice of Recordation of Assignment Document is hereby requested in view of the error which appears in the original. For the convenience of the Patent and Trademark Office, attached is a photocopy of the original Assignment Recordation on which the error has been noted in red, a photocopy of the original Recordation Form Coversheet, and a copy of the original Assignment.

The Assignee name is incorrect. Please delete "BOARDS OF REGENTS" and insert therefor --**BOARD OF REGENTS** --.

Because the error is not due to any error by Applicants, no fee is believed to be due in connection with the filing of this document. However, should any fee under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this document, the Commissioner is hereby authorized to deduct said fee from Fulbright & Jaworski Deposit Account No. 50-1212/10010837/MCB.

Please date stamp and return the enclosed postcard evidencing receipt of these materials.

Respectfully submitted,

Michael C. Barrett
Michael C. Barrett
Reg. No. 44,523
Attorney for Applicants

FULBRIGHT & JAWORSKI L.L.P.
600 Congress Avenue, Suite 2400
Austin, Texas 78701
(512) 474-5201

Date: 12/20/00

COPY

PATENT
FILE NO. TUUT:010

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to the Board of Regents, the University of Texas System (the "Assignee"), having a place of business at 201 West 7th Street, Austin, Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 09/421,965 which has been filed on October 20, 1999 and is entitled "**METHOD AND APPARATUS FOR PROBABILISTICALLY CLASSIFYING TISSUE IN VITRO AND IN VIVO USING FLUORESCENCE SPECTROSCOPY**", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: Rebecca Richards-Kortum
Name: Rebecca Richards-Kortum

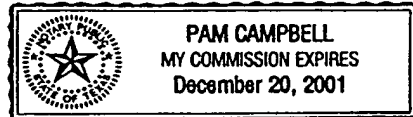
Date: 1-12-00

STATE OF Texas)
) ss.
COUNTY OF Travis)

BEFORE ME, the undersigned authority, on this 12th day of Jan, 1999/2000, personally appeared Rebecca Richards-Kortum, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Pam Campbell
Notary or Consular Officer

[SEAL]



Signature: _____
Name: Nirmala Ramanujam

Date: _____

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Nirmala Ramanujam, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Anita Mahadevan-Jansen

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Anita Mahadevan-Jansen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Michele Follen Mitchell

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Michele Follen Mitchell, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____
Name: Urs Utzinger

Date: _____

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Urs Utzinger, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

ARNOLD WHITE & DURKEE

750 Bering Drive
Houston, Texas 77057-2198

One Franklin Square
1301 K Street, N.W.
Suite 350 East Tower
Washington, DC 20005

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to the Board of Regents, the University of Texas System (the "Assignee"), having a place of business at 201 West 7th Street, Austin, Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 09/421,965 which has been filed on **October 20, 1999** and is entitled "**METHOD AND APPARATUS FOR PROBABILISTICALLY CLASSIFYING TISSUE IN VITRO AND IN VIVO USING FLUORESCENCE SPECTROSCOPY**", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____
Name: Rebecca Richards-Kortum

Date: _____

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Rebecca Richards-Kortum, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: Nirmala Ramanujam
Name: Nirmala Ramanujam

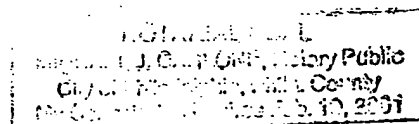
Date: 1/10/2000

STATE OF Pennsylvania)
) ss.
COUNTY OF Philadelphia)

BEFORE ME, the undersigned authority, on this 10th day of January, 1999/2000, personally appeared Nirmala Ramanujam, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Michael T. Carlone
Notary or Consular Officer

[SEAL]



Signature: _____
Name: Anita Mahadevan-Jansen

Date: _____

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Anita Mahadevan-Jansen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____
Name: Michele Follen Mitchell

Date: _____

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Michele Follen Mitchell, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Urs Utzinger

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Urs Utzinger, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

ARNOLD WHITE & DURKEE

750 Bering Drive
Houston, Texas 77057-2198

One Franklin Square
1301 K Street, N.W.
Suite 350 East Tower
Washington, DC 20005

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to the Board of Regents, the University of Texas System (the "Assignee"), having a place of business at 201 West 7th Street, Austin, Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 09/421,965 which has been filed on **October 20, 1999** and is entitled "**METHOD AND APPARATUS FOR PROBABILISTICALLY CLASSIFYING TISSUE IN VITRO AND IN VIVO USING FLUORESCENCE SPECTROSCOPY**", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

AUTHORIZE AND REQUEST the issuing authority to issue any and all United States and foreign patents granted on such improvements to the Assignee;

WARRANT AND COVENANT that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been or will be made to others by the undersigned, and that the full right to convey the same as herein expressed is possessed by the undersigned;

COVENANT, when requested and at the expense of the Assignee, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all such improvements; execute all rightful oaths, declarations, assignments, powers of attorney and other papers; communicate to the Assignee all facts known to the undersigned relating to such improvements and the history thereof; and generally do everything possible which the Assignee shall consider desirable for vesting title to such improvements in the Assignee, and for securing, maintaining and enforcing proper patent protection for such improvements;

TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____

Date: _____

Name: Rebecca Richards-Kortum

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Rebecca Richards-Kortum, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Nirmala Ramanujam

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Nirmala Ramanujam, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: [Signature]
Name: Anita Mahadevan-Jansen

Date: 3/6/00

STATE OF Tennessee)
COUNTY OF Davidson) ss.

BEFORE ME, the undersigned authority, on this 6 day of March, 1999/2000, personally appeared Anita Mahadevan-Jansen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

[Signature]
Notary or Consular Officer
My Commission Expires 03/23/2002

[SEAL]

Signature: _____
Name: Michele Follen Mitchell

Date: _____

STATE OF _____)
COUNTY OF _____) ss.

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Michele Follen Mitchell, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Urs Utzinger

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Urs Utzinger, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

ARNOLD WHITE & DURKEE

750 Bering Drive
Houston, Texas 77057-2198

One Franklin Square
1301 K Street, N.W.
Suite 350 East Tower
Washington, DC 20005

ASSIGNMENT

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____ Date: _____
Name: Rebecca Richards-Kortum

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Rebecca Richards-Kortum, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____ Date: _____
Name: Nirmala Ramanujam

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Nirmala Ramanujam, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Anita Mahadevan-Jansen

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Anita Mahadevan-Jansen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: *Michele Follen MD*
Name: Michele Follen ~~Mitchell~~

mt
Date: 1/5/2000

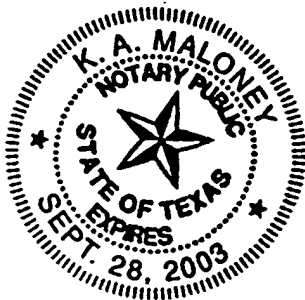
STATE OF _____)
) ss.
COUNTY OF TEXAS)

BEFORE ME, the undersigned authority, on this 5TH day of JANUARY, ~~1999~~ 2000, personally appeared Michele Follen Mitchell, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

K. A. Maloney

Notary or Consular Officer

[SEAL]



Signature: _____
Name: Urs Utzinger

Date: _____

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Urs Utzinger, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

ARNOLD WHITE & DURKEE

750 Bering Drive
Houston, Texas 77057-2198

One Franklin Square
1301 K Street, N.W.
Suite 350 East Tower
Washington, DC 20005

ASSIGNMENT

FOR GOOD AND VALUABLE CONSIDERATION, the receipt, sufficiency and adequacy of which are hereby acknowledged, the undersigned, do hereby:

SELL, ASSIGN AND TRANSFER to the Board of Regents, the University of Texas System (the "Assignee"), having a place of business at 201 West 7th Street, Austin, Texas 78701, the entire right, title and interest for the United States and all foreign countries in and to any and all improvements which are disclosed in the application for United States Letters Patent, Serial No. 09/421,965 which has been filed on October 20, 1999 and is entitled "**METHOD AND APPARATUS FOR PROBABILISTICALLY CLASSIFYING TISSUE IN VITRO AND IN VIVO USING FLUORESCENCE SPECTROSCOPY**", such application and all divisional, continuing, substitute, renewal, reissue and all other applications for patent which have been or shall be filed in the United States and all foreign countries on any of such improvements; all original and reissued patents which have been or shall be issued in the United States and all foreign countries on such improvements; and specifically including the right to file foreign applications under the provisions of any convention or treaty and claim priority based on such application in the United States;

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TO BE BINDING on the heirs, assigns, representatives and successors of the undersigned and extend to the successors, assigns and nominees of the Assignee.

Signature: _____

Date: _____

Name: Rebecca Richards-Kortum

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Rebecca Richards-Kortum, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Nirmala Ramanujam

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Nirmala Ramanujam, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Anita Mahadevan-Jansen

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Anita Mahadevan-Jansen, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Date: _____

Name: Michele Follen Mitchell

STATE OF _____)
) ss.
COUNTY OF _____)

BEFORE ME, the undersigned authority, on this ____ day of _____, 1999/2000, personally appeared Michele Follen Mitchell, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that she executed the same of her own free will for the purposes and consideration therein expressed.

Notary or Consular Officer

[SEAL]

Signature: _____

Name: Urs Utzinger

Date: _____

1/14/2000

STATE OF _____)

) ss.

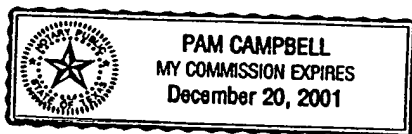
COUNTY OF TRAVIS)

BEFORE ME, the undersigned authority, on this 4th day of Jan, ~~1999~~/2000, personally appeared Urs Utzinger, known to me to be the person whose name is subscribed to the foregoing instrument and acknowledged to me that he executed the same of his own free will for the purposes and consideration therein expressed.

Pam Campbell

Notary or Consular Officer

[SEAL]



ARNOLD WHITE & DURKEE

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Houston, Texas 77057-2198

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